

(3DMAX)



MUTAH UNIVERSITY Deanship of Graduate Studies

جامعة مؤتة عمادة الدراسات العليا

نموذج رقم (14)

قرار إجازة رسالة جامعية

تقرر إجازة الرسالة المقدمة من الطالبة نانسي حسام الحلالمة الموسومة بـ:

أثر استخدام الوسائط المتعددة المنتجة بواسطة برنامج (DMAX) 3) التحصيل لطلبة الصف الاول الاساسي في لواء المزار الجنوبي في مادة التربية الاسلامية

> استكمالاً لمتطلبات الحصول على درجة الماجستير في مناهج وأساليب عامة. القسم: المناهج والتدريس.

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Abstract

The effect of using a multimedia program produced by (3DMAX) in first grade students achievement Islamic Education at south Al-Mazar

Nancy AL-Halalmeh Mutah University, 2013

This study aimed to explore the effects of the use of multimedia by a program (3DMAX) in the achievement of the students in the first grade in the basic material of Islamic education . The study sample consisted of 91 male and female students : distributed into two groups : experimental consisted of (46) students and the control group consisted of (45) male and female students .

To achieve the objective of the study, two tools were used, educational program using the (3DMax) and test grades, The study results showed statistically significant differences in student achievement is attributed to the teaching method for the experimental group, and the presence of statistically significant differences in student achievement is attributed to the level of education for the people and in favor of higher diploma.

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	F					
0.00	16.974	109.970	1	109.970		
0.00	10.924	70.774	1	70.774		
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Cavas,B.(2000) The use of Computer Technology in Sventh Grade Science Topics which contant mathematics. A paper presented at international special education congress university of Manchester, UK.43/04.106.

- Fraga, A.(2003)**The effects of a computer media at-risk**. Preschool student recieptivevocaubulary and computer literacy skills university of north Texas, 118. AAT3123024.
- Grade, P. (1998). Effects Of Computer Assisted Writing Instruction Of Fourth Grade Students. The Union Institute, 107, AAT 3029714.
- Hofsl-etter, F.(1995) **Maltimedia in Tueracy,** N.Y, Mcgraw-Hill, Inc,ERIC No:302419
- Jean,J.(2005). The Impact of Computer Assisted Instruction On the Mathematics Achievement of Elementary School Children Grades Three Through Six . Dissertations Abstracts , AAT ,3251889.
- Kohman . L(2006) **Computers in Educatiopn** ,2nd edition, Adivision of simon&Schuster,Inc 22/06.104.
- Korilles . k (2007) Teaching on the internet meeting the challenges of electronic learning, ERIC, No., ED 418957, 30/04.105.
- Lang ,J(2004) . The Impact Of Dynamic Geometry Software on Student Abilities to Generliz in geometry . the ohio state University Full Text PDF AAT3031279.
- Pajtek ,C.(2000), Computer Based Versus paper Based Instruction : Effectiveness and Motivation . Dissertation Abstract International. 41/02,(AAT 1410714)
- Sigel, D. Foster, T.(2001)Laptop computers and multimedia and presentation software their effect on student. A Achievement Anatomy and Physiology. **Journal of Research on Technology In**.
- Taylor.J(2007) Classroom Teaching Skills.Houphbon Miffline,USA.23(6).
- Wang, P.; Cheng, W.; Wang, W.; & Hang, P.(2002) An Elementary School Mathematic Dynamic Learning System and Its effects. Proceedings of the International conference on computers in

- education, hosted by college of business Massey University Auckland, Newzeland.
- Wardlu,R(1998). Effect of Computer Assisted Went Outcomes of Adultsin Developmental Education Program: A Comparrative Study. (EDD University of New York at Buffalo,(1997). Disseration Abstract Interational, 58(10) P.3804.
- Yo-KU(2004). The Effect of Using Person AlzedComputer- Basd instruction in Mathematics Learning. paper presented at the National Education computing conference, Atlanta.
- Yung , R.(2009). **Computer Education For Teacher** : Integrating technology in classroom teaching(5thed). New York : Megraw Hill.

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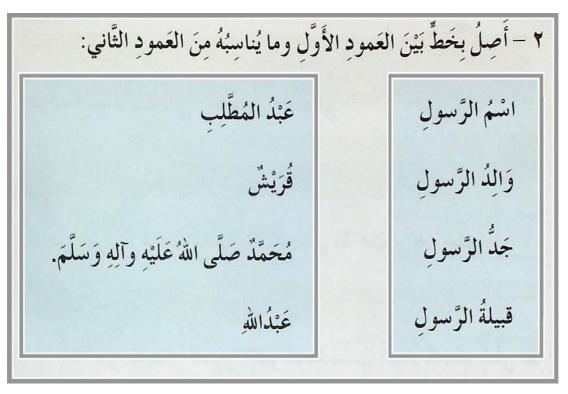
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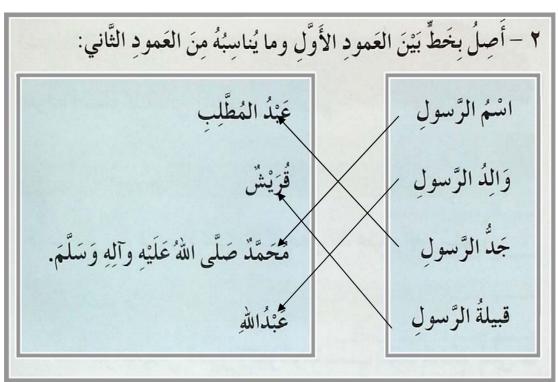
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